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MP Toolbox

Scanning with the [Scan] key

By pressing the [Scan] key on the printer control panel, you can scan documents to your computer.
Pressing the [Scan] key has the same effect as clicking the [Save] button in the MP Toolbox.
You can change the settings for the [Save] button or you can set up a button other than the [Save] button to perform the same operation. → "Setting the scanning method for the [Scan] key"

1 Place the document face-down on the platen glass.
Fax Model If you have the fax model, you can also place the document face-up in the ADF.

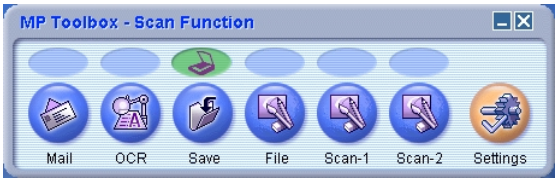
2 Press the [Scan] key on the printer control panel.
The document will be scanned.
The MP Toolbox and the MP Toolbox settings dialog box will open but the document will scan without you having to click [Scan].
Your document will be processed according to your settings.
When you use the [Scan] key for the first time, a folder with the scanning date will be created in the [My Pictures] folder in the [My Documents] folder, and your document will be saved in this folder. If there is no [My Pictures] folder, the folder with the scanning date will be created in the [My Documents] folder and your document saved in this folder.

Setting the scanning method for the [Scan] key

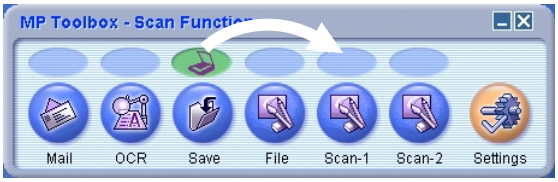
When you scan for the first time pressing the [Scan] key, scanning will occur in the same way as when you click the [Save] button in the MP Toolbox.

Setting up the [Scan] button to operate in a different way from the [Save] button.

1 On the Windows desktop, double-click [Canon MP Toolbox 4.1].
Alternatively, on the Windows desktop, click [Start], point to [(All) programs], [Canon], then [MP Toolbox 4.1]. Then click [Toolbox 4.1]. The MP Toolbox will open.



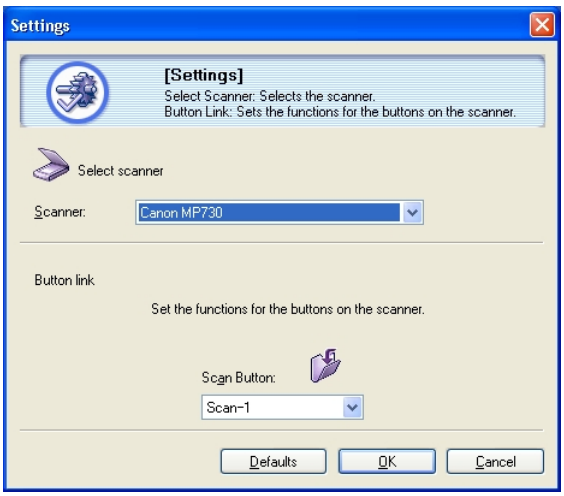
2 Drag the mark over the button you want to select.



The mark will be displayed above the button you select.

To set up the [Scan] button in the [Settings] dialog box

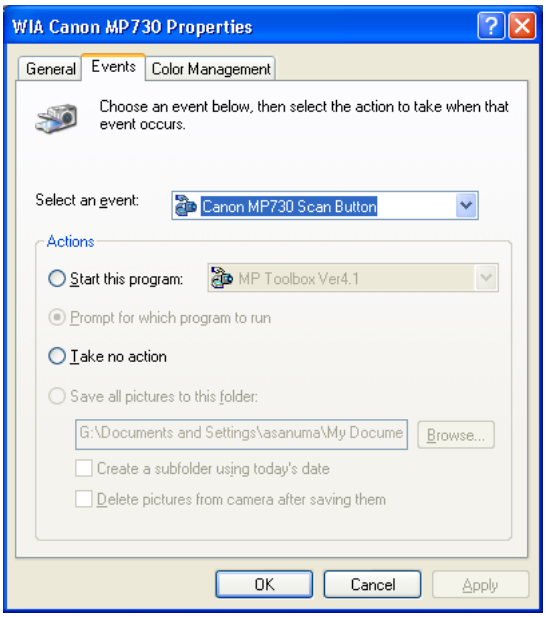
In the MP Toolbox, click [Settings]. In the [Settings] dialog box, in [Scan Button], select the button you want to link the [Scan] button to, then click [OK].



You can also set up the [Scan] button in the [Scanners and Cameras] dialog box (see the next page).

To set up the [Scan] button in the [Scanners and Cameras] dialog box

1. On the Windows taskbar, click [Start], point to [Settings], then click [Control Panel] (Windows XP: Click [Start], click [Control Panel], then click [Printers and Other Hardware]).
2. In the open window, double-click [Scanners and Cameras] (Windows XP: Click [Scanners and Cameras]).
3. Right-click the printer icon, then click [Properties].
   (Windows 98/2000: Click the printer icon, then click [Properties].)
4. On the [Events] tab, in [Send to next application] (Windows XP: [Actions]), select the operation for the [Scan] key when pressed.



If you select an imaging application or an application such as Photoshop to open, ScanGear MP will initially open when you press the [Scan] key on the printer.
If you set the MP Toolbox to open, if [Use the scanner driver to make advanced settings] is selected in the MP Toolbox settings, ScanGear MP will initially open when you press the [Scan] key on the printer.

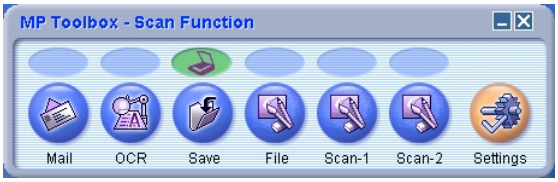
5. Click [OK].
6. Windows 2000 only: Restart your computer.
   Windows 2000/Me: Restart your computer to activate your setting.

Scanning with the MP Toolbox

You can scan a document using the buttons on the MP Toolbox.

1 Place the document face-down on the platen glass.
Fax Model If you have the fax model, you can also place the document face-up in the ADF.

2 On the Windows desktop, double-click [Canon MP Toolbox 4.1].
Alternatively, on the Windows desktop, click [Start], point to [(All) programs], [Canon], then [MP Toolbox 4.1]. Then click [Toolbox 4.1]. The MP Toolbox will open.

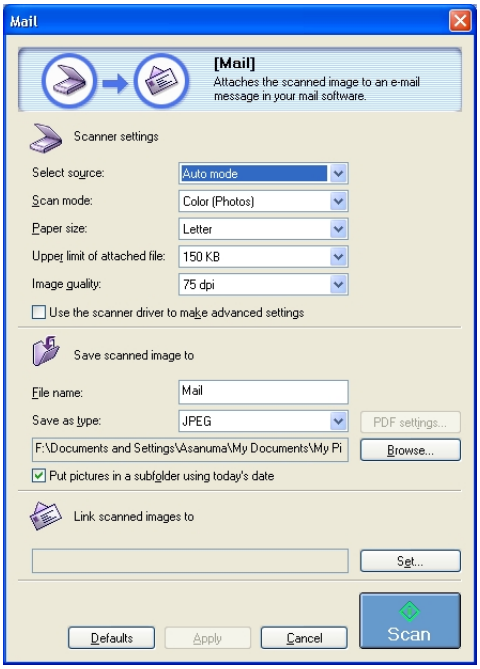


MP Toolbox

3 Click one of the scanning buttons below.

- **[Mail]**
  The document will be scanned and attached to an e-mail message in your e-mail application.
- **[OCR]**
  The text will be scanned and read by the OCR software.
- **[Save]**
  The document will be scanned and saved.
- **[File]**
  The text will be scanned and saved as a PDF.
- **[Scan-1], [Scan-2]**
  The text will be scanned and appear in the registered application. You can change the button name by directly entering a new name over the button name. The name can be up to 8 characters long.

A dialog box will appear for each of the buttons.

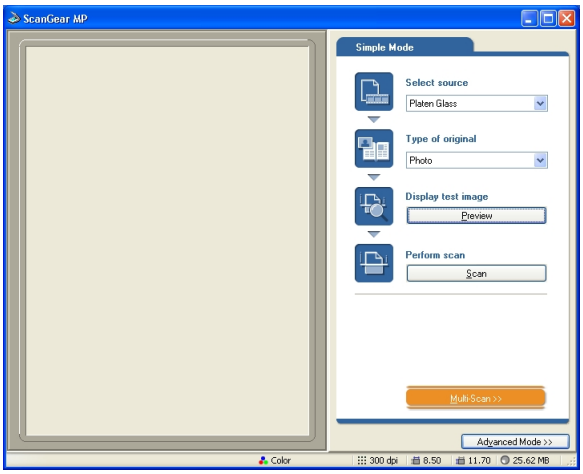


Example: [Mail] dialog box

4 Adjust the settings.
→ “MP Toolbox settings”
If you clicked a button other than [Save] or [File] and no application appears in [Link scanned image to], select an application.
If you want to keep the same settings for future scans, click [Apply] before clicking [Scan].

5 Click [Scan].

When ScanGear MP is displayed



[ScanGear MP] dialog box

If you clicked [Use the scanner driver to make advanced settings] in Step 4, ScanGear MP will appear.
Adjust the settings, then click [Scan].
For settings, → “Setting preferences and scanning with ScanGear MP.”

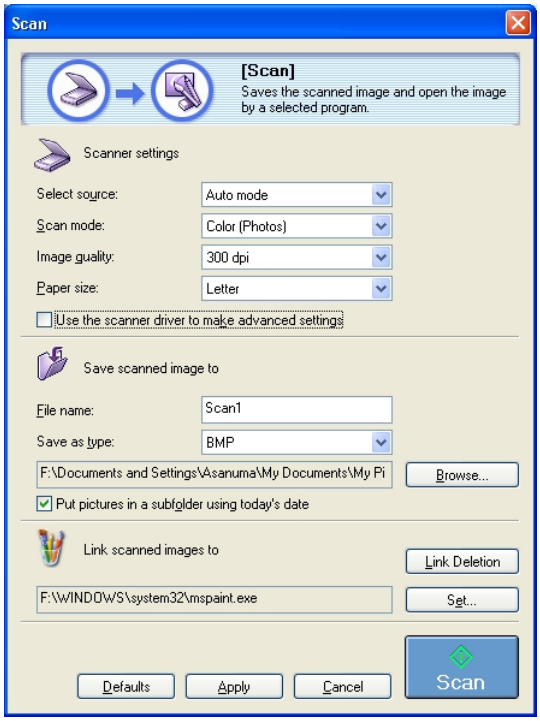
Scanning will begin.

If you clicked [Save] or [File] in step 3, a folder with the scanning date will be created in the [My Pictures] folder in the [My Documents] folder, and your document will be saved in this folder. If there is no [My Pictures] folder, the folder with the scanning date will be created in the [My Documents] folder and your document saved in this folder.

If you clicked [Mail], [OCR], [File] or [Scan-1] in step 3, the scanned image will be displayed in the application after scanning. Send the e-mail message or perform OCR conversion. (The scanned image will not be displayed if you have not installed the applications on the MP730/700 Setup CD-ROM or if you have not set the [Link scanned images to] setting.)

When the applications in the MP730/700 Setup CD-ROM are installed, one part will be registered in the MP Toolbox buttons.
[OCR] ScanSoft OmniPage
[File] Presto! PageManager

MP Toolbox settings



Example: [Scan] dialog box

You can adjust the following settings when scanning with the MP Toolbox.

Scanner settings

[Select source]

Select where the document is placed.

- **[Platen Glass]**
- Fax Model **[Document Feeder]**
- Fax Model **[Auto mode]** Documents in the ADF are automatically scanned. If there are no documents in the ADF, the document on the platen glass will be scanned.

[Scan mode]

Select the scan mode. The scan modes you can select differ depending on the MP Toolbox button you press.

- **[Black and White]**
  Scans an item as a black and white image.
- **[Black and White (OCR)] ([OCR] button only)**
  Scans an item as a black and white image, in more detail than with the [Black and White] setting.
- **[Grayscale]**
  Scans an item as a grayscale image (similar to a monochrome picture).
- **[Color (Magazine)]**
  Scans an item as a color image with the Descreen function set to On. The Descreen function is designed to reduce as much as possible the distorted pattern (moire) which occasionally occurs when scanning printed materials. The scanning of a document will take longer if you use this function.
- **[Color (Photos)]**
  Scans an item as a color image with the Descreen function set to Off.

- **[Color Multi-Scan)]** (Only when [Platen Glass] is selected in [Select source])
  For scanning in multiple images placed on the platen glass, and creating a separate image file for each one.
  For the [Mail] button, a new e-mail message with several images attached, or several new mail messages with an image attached will open.
  For the [Scan-1] and [Scan-2] buttons, separate files of each image will be created in the linked application.
  If you select [PDF] in [Save as type], and then click [Create multiple PDF] in the [PDF settings] dialog box, multiple documents will be saved as one PDF.
- **[Color (Auto crop)]** (Only when [Platen Glass] is selected in [Select source])
  For automatic detection of the document size and color scanning of the document. Even if there are multiple documents on the platen glass, only one file will be created.

[Paper size]

Select the size of the document you will scan.
If you wish to specify the width and height with a value, select [Custom] to display the [Paper size settings] dialog box. Select the [Unit], enter the [Width] and [Height], then click [OK].
You cannot select a document size when [Color (Multi-Scan)] or [Color (Auto crop)].

[Upper limit of attached file]

Select an approximate upper size limit (after compression) for the image you will send. (Depending on the image, some file sizes after compression may be larger than the value set.)
For an ordinary mail message, a file size of [150KB] is recommended.
You cannot select set this item when [PDF] is selected in [Save as type].

[Image quality]

Select the scan quality (resolution). → "Determining resolution"
For the [Mail] button, the choices you can select will depend on your setting in [Upper limit of attached file].
If [Color (Multi-Scan)] or [Color (Auto crop)] is selected in [Scan mode], you will only be able to select 75 dpi, 150 dpi or 300 dpi.
The maximum resolution when [PDF] is selected in [Save as type] is 400 dpi.

[Use the scanner driver to make advanced settings]

If you select this item and then click [Scan], the ScanGear MP dialog box will appear and you can make advanced settings for scanning.
Enter [Scanner settings] such as [Scan mode] and [Paper size] in the ScanGear MP dialog box.
→ "Setting preferences and scanning with ScanGear MP"
If you clear this item, scanning will begin immediately with the settings displayed.

[Save scanned image to]

[File name]

Enter a file name for the scanned image.
If you try to save another file with the same name, four digits starting from 0001 will be attached after the file name.

[Save as type]

- **[BMP]** Bitmap format
- **[JPEG]** JPEG format. Select for grayscale or color images only.
- **[TIFF]** TIFF format
- **[PDF]** PDF format. You can make advanced settings with the [PDF settings].

The type of file which can be saved with each button is shown below. → "Creating one PDF file from two or more pages"

	BMP	JPEG	TIFF	PDF
[Mail]	–	○	–	○
[OCR]	○	–	○	–
[Save]	○	○	○	○
[File]	–	–	–	○
[Scan-1], [Scan-2]	○	○	○	–

If you select [PDF] in [Save as type], and select Color/A4-size/more than 600 dpi in ScanGear MP, a warning message will appear and you will not be able to scan. Reduce the document size and lower the resolution.

If you select [JPEG] in [Save as type] and then select [Newspaper] in ScanGear MP Simple Mode or [Black and white] in ScanGear MP Advanced Mode, the document will still be saved in grayscale.

[Save to]

The place the scanned image will be saved is displayed.

To change the folder in which the saved image is to be saved, click [Browse], select a folder for saving the image, then click [OK].

When you scan for the first time, a folder with the scanning date will be created in the [My Pictures] folder in the [My Documents] folder, and your document will be saved in this folder. If there is no [My Pictures] folder, the folder with the scanning date will be created in the [My Documents] folder and your document saved in this folder.

[Put pictures in a subfolder using today's date]

You can either directly save an image in the specified folder or create a folder inside the specified folder with today's date (e.g. 04/04/2003) and select to save in this folder.

[Link scanned images to]

The name of the application to be used by the scanned image will appear. If no name appears or you wish to change the application, click [Set], select the application you wish to use, then click [Open].

If for the [Mail] button the name of the application you wish to use does not appear in the [Settings for E-mail program] dialog box, select [None (Attach Manually)]. In this case, the application will not open so you must open the image file in the application and attach the file.

The software is compatible with the e-mail software Outlook Express, Microsoft Outlook, EUDORA and Netscape Messenger.

If you do not want to select an application, click [Link Deletion]. When asked to confirm, click [Yes].

Scanning an image from an application

You scan an image from a TWAIN or WIA-compliant application and use the image in that application. This procedure varies depending on the application. The following is only one example. For the correct procedure, refer to the documentation of the application you are using.

1 Place the document face-down on the platen glass.
Fax Model You can also place the document face-up in the ADF.

2 In the application, click the command to scan a document ([Import], [Acquire image] etc.).

3 Select the scan driver.
With Windows XP you can use the ScanGear MP or the WIA driver as the scanner driver.
- To use ScanGear MP, select [Canon MP730] or [Canon MP700].
- To use the WIA driver, select [WIA CANON MP730] or [WIA CANON MP700].

4 If necessary, in the scanner driver dialog box, preview the scan and make adjustments.
→ “Setting preferences and scanning with ScanGear MP”
→ “Scanning with the WIA driver (Windows XP only)”

5 Click [Scan].
When scanning is completed, the scanned image will appear in the application’s display area.

Creating one PDF file from two or more pages

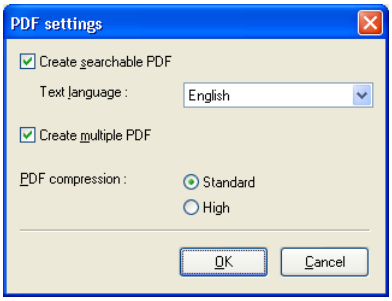
You can scan two or more pages and make them into one PDF file.

1 Place the document face-down on the platen glass.
Fax Model You can also place the document face-up in the ADF.

2 On the Windows desktop, double-click [Canon MP Toolbox 4.1].
Alternatively, on the Windows desktop, click [Start], point to [(All) programs], [Canon], then [MP Toolbox 4.1]. Then click [Toolbox 4.1]. The MP Toolbox will open.

3 Click [File].
If necessary, adjust any settings.

4 Click [PDF settings].

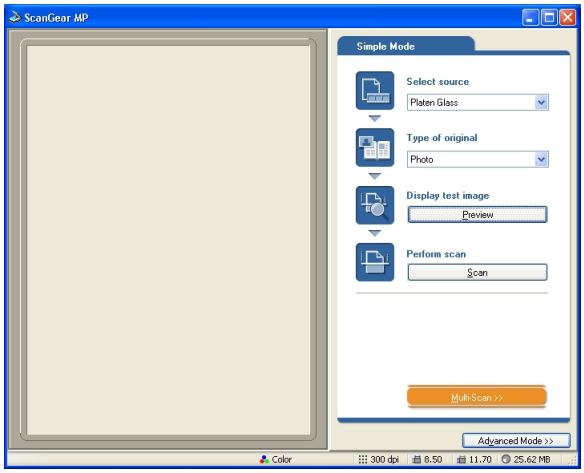


5 Adjust the following settings, then click [OK].

- **[Create searchable PDF]**
  Click to convert the characters in the document to text data and make the document searchable with simple keywords. However, all the characters in the document may not be accurately recognized. In [Text language], select [English]. In [Scanner settings], in [Image quality], select [300 dpi] or greater.
- **[Create multiple PDF]**
  Click to create one PDF file from several documents.
- **[PDF compression]**
  Select [High] for images such as photos or illustrations to be further compressed, reducing the file size.

6 Click [Scan].

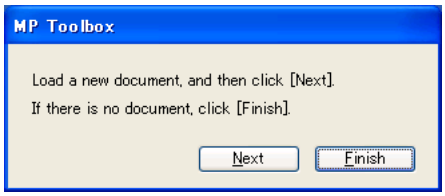
When ScanGear MP is displayed



[ScanGear MP] dialog box

ScanGear MP will open if you selected [Use the scanner driver to make advanced settings] in step 3.
Adjust your settings, then click [Scan].
For settings, → “Setting preferences and scanning with ScanGear MP.”

As each document is scanned, the following dialog box will appear.



As you continue to scan, position the next document and click [Next]. Once scanning is completed, click [Finish].
The above dialog box is not displayed if you have set ScanGear MP to open and in [Preferences], selected [Automatically quit ScanGear MP after scanning] on the [Settings 1] tab in [Preferences] in Advanced Mode on the [Settings] tab. It will also not appear if you scanned your document by placing it in the ADF.

A folder with the scanning date will be created in the [My Pictures] folder in the [My Documents] folder, and your document will be saved in this folder. If there is no [My Pictures] folder, the folder with the scanning date will be created in the [My Documents] folder and your document saved in this folder.

Even if you have selected [Color (Multi-Scan)] in [Scan mode], if you have selected [Create multiple PDF], one PDF will be created from several documents placed on the platen glass. If you continue to scan multiple documents, they will also be created into one PDF.

For text documents or black-and-white documents, it is recommended you select either [Black and White] or [Grayscale] in [Scan mode].
If making a Multiple PDF with color documents ([Image quality] set to [300 dpi]), it is recommended that the PDF have fewer than 20 pages.

Scanning two or more small documents at one time

You can scan two or more photographs (small documents) at one time with the [Color (Multi-Scan)] in the MP Toolbox, or with the [Multi-Scan] (Simple Mode) or [Multi-Crop] (Advanced Mode) in ScanGear MP.

→ "[Color (Multi-Scan)] in the MP Toolbox"
→ "[Multi-Scan] in ScanGear MP (Simple Mode)"
→ "[Multi-Crop] in ScanGear MP (Advanced Mode)"

Documents which will not be cropped accurately

The following types of documents will not be cropped accurately.

- Documents smaller than 9/64 inch^2 (1cm^2)
- Long, narrow documents, the proportion of the long and short sides of which is larger than 4:1

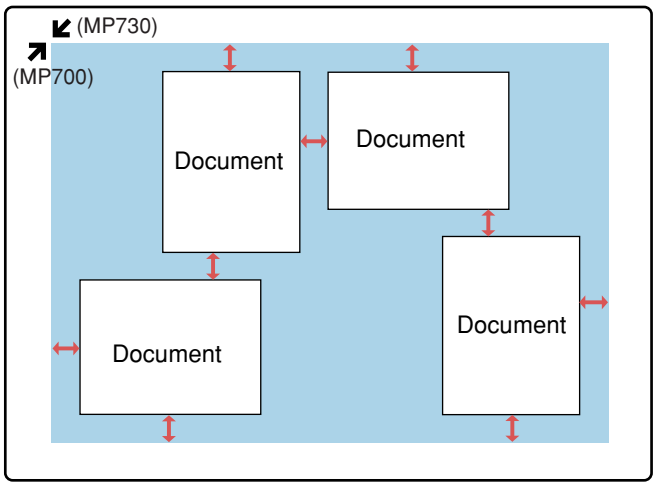
Documents which may not be cropped accurately

The following types of documents may not be cropped accurately.

- Photos that have an overall whitish appearance
- Photos that have a whitish border
- Documents other than photos (particularly documents printed on white paper, hand-written text, business cards etc.)

Placing the document

You can place up to 10 documents.



↔ Keep more than 3/8 inch (1cm) between the document and the edge of the platen glass. There is automatic correction of documents that are not straight if they are off by less than 10 degrees.

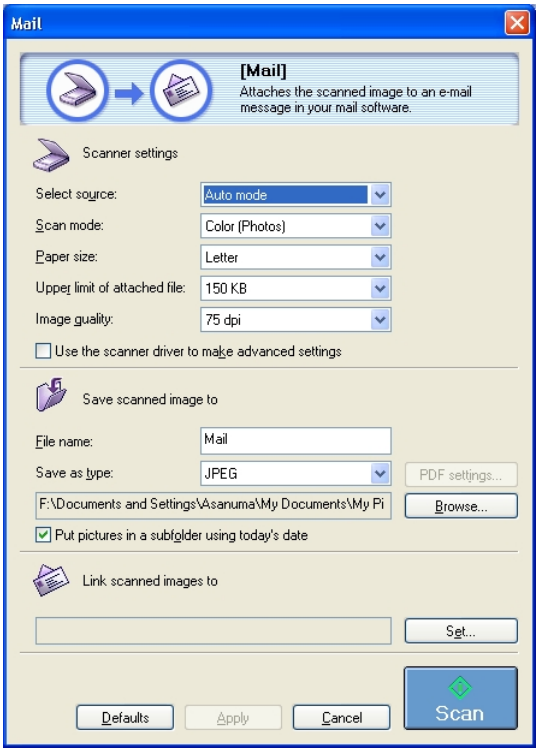
[Color (Multi-Scan)] in the MP Toolbox

For each button of the MP Toolbox, you can scan two or more photographs (small documents) at one time by selecting [Color (Multi-Scan)] in [Scan mode].
You will not be able use this method for scanning multiple documents from an application. If you wish to scan from an application, please use the ScanGear MP [Multi-Scan] or [Multi-Crop] setting.

1 Place the document face-down on the platen glass.
For placement of the documents, → "Scanning two or more small documents at one time."

2 On the Windows desktop, double-click [Canon MP Toolbox 4.1].
Alternatively, on the Windows desktop, click [Start], point to [(All) programs], [Canon], then [MP Toolbox 4.1]. Then click [Toolbox 4.1]. The MP Toolbox will open.

3 Click one of the MP Toolbox buttons (Mail, Save, File, Scan-1, Scan-2).



Example: [Mail] dialog box

4 For the fax model, in [Select source], select [Platen Glass].

5 In [Scan mode], select [Color (Multi-Scan)].
If necessary, adjust other settings.

6 Click [Scan].
Scanning of the multiple documents will begin.

[Multi-Scan] in ScanGear MP (Simple Mode)

To scan two or more photographs without specifying the scanning area etc., use the [Multi-Scan] setting in ScanGear MP (Simple Mode). Each photograph becomes one single image.

1 Place the document face-down on the platen glass.
For placement of the documents, → "Scanning two or more small documents at one time."

2 Do one of the following.

- **Use a button in the MP Toolbox**
  Click a button in the MP Toolbox, select [Use the scanner driver to make advanced settings], adjust any other settings, then click [Scan].
- **Scan in an application**
  With Windows XP, if the system is set up for the WIA driver, switch to ScanGear MP (→ "Scanning an image from an application") and select the command for scanning a document in the application (e.g. [Import], [Acquire image]. See your application documentation).

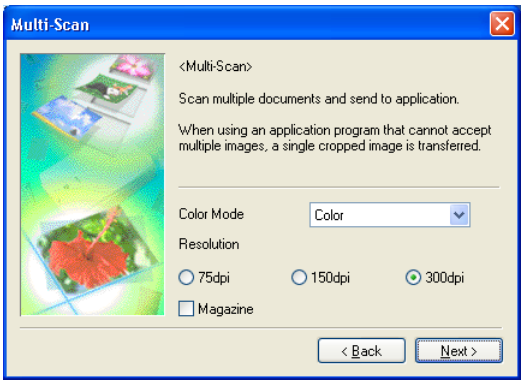
The ScanGear MP dialog box will open.

3 If the [<< Simple Mode] is displayed, click [<< Simple Mode].

4 For the fax model, in [Select source], select [Platen Glass].

5 If you wish to see a preview, click [Preview].
The document will be provisionally scanned as a preview.

6 Click [Multi-Scan].

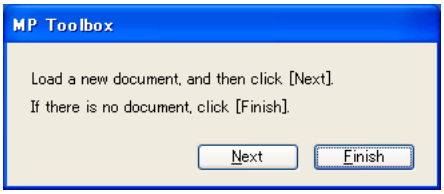


7 Select the color mode and resolution.

- **[Color Mode]**
  Select from [Color], [Greyscale] and [Black and White].
- **[Resolution]**
  Select from [75dpi], [150dpi] and [300dpi]. The higher the number, the more detail in your image; the lower the number, the less detail.
  → "Determining resolution"
- **[Magazine]**
  Suitable for scanning color magazines, with the Descreen function.

8 Click [Next].
Scanning of the multiple documents will begin.

If you selected [PDF] in [Save as type] in the MP Toolbox settings
As each document is scanned, the following dialog box will appear.



As you continue to scan, position the next document and click [Next]. Once scanning is completed, click [Finish].
The above dialog box is not displayed if you have selected [Automatically quit ScanGear MP after scanning] on the [Settings 1] tab, in [Preferences] in Advanced Mode on the [Settings] tab.

[Multi-Crop] in ScanGear MP (Advanced Mode)

To specify in detail settings for scanning two or more photographs (small documents), use the [Multi-Crop] in ScanGear MP (Advanced Mode).
Unlike the [Multi-Scan] in ScanGear (Simple Mode), you can set the scanning area etc.

1 Place the document face-down on the platen glass.
For placement of the documents, → "Scanning two or more small documents at one time."

2 Do one of the following.

- **Use a button in the MP Toolbox**
  Click a button in the MP Toolbox, select [Use the scanner driver to make advanced settings], adjust any other settings, then click [Scan].
- **Scan in an application**
  With Windows XP, if the system is set up for the WIA driver, switch to ScanGear MP (→ "Scanning an image from an application") and select the command for scanning a document in the application (e.g. [Import], [Acquire image]. See your application documentation).

The ScanGear MP dialog box will open.

3 If the [Advanced Mode >>] is displayed, click [Advanced Mode >>].

4 Click [Preview].
The document will be provisionally scanned as a preview.

5 If necessary, change the settings in [Color Mode] or [Output Resolution].
→ "Advanced Mode — [Main] tab settings"
→ "Advanced Mode — [Settings] tab settings"

6 In [Multi-Crop], click [Apply].
Each of the preview photos is surrounded by dotted lines. Each of the documents is separated by its frame of dotted lines and is scanned as a separate document.
To delete all the dotted lines, click [Reset].

7 If you wish to adjust the frame of dotted lines drag the dotted lines.
If you wish to delete the frame, right-click the frame and then click [Delete].

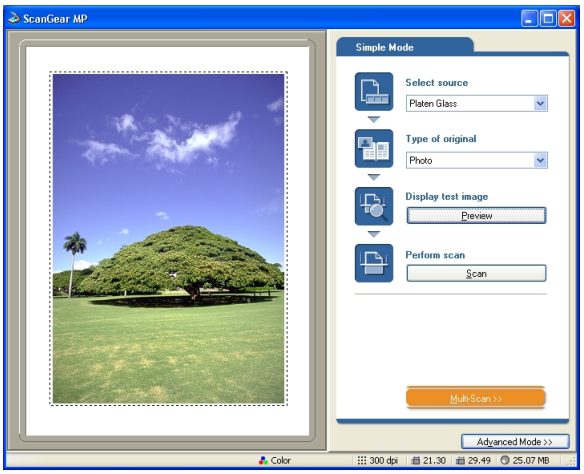
8 Click [Scan].
Scanning of the multiple documents will begin.

Setting preferences and scanning with ScanGear MP

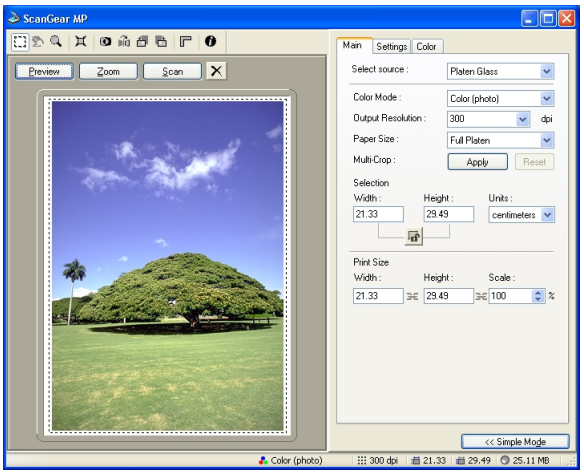
With ScanGear MP, you can review with the preview image (provisional scan) how the final image will be scanned and make detailed adjustments for the size and color of the image. If the preview image is satisfactory, you can then scan the document properly.
If you wish to make settings with ScanGear MP when scanning a document, you can either select [Use the scanner driver to make advanced settings] in the MP Toolbox before scanning, or scan from an application.
(If you are scanning from an application in Windows XP, select ScanGear MP in the application before scanning. → “Scanning an image from an application”)

Switching between [Simple Mode] and [Advanced Mode]
ScanGear MP has two modes: [Simple Mode] and [Advanced Mode]. Use [Simple Mode] if you want to scan without setting detailed preferences. With [Advanced Mode] you can set detailed preferences such as resolution and contrast.

If the [<< Simple Mode] tab is showing in the upper right of the dialog box, you are in Simple Mode. To switch to Advanced Mode, click [Advanced Mode >>] at the right.
If the [<< Simple Mode] is showing in the right of the dialog box, you are in Advanced Mode. If you want to switch to Simple Mode, click the [<< Simple Mode].



Simple Mode dialog box

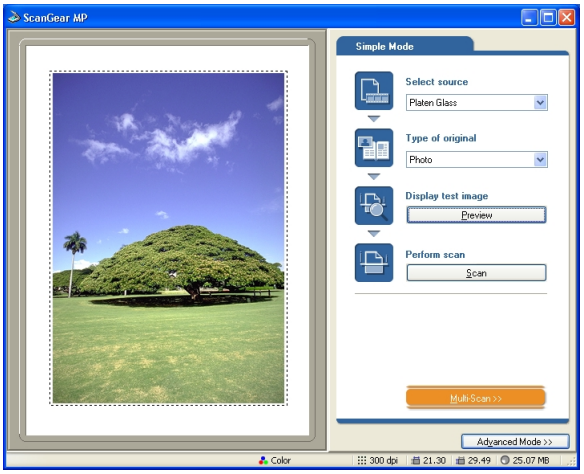


Advanced Mode dialog box

→ “Using Simple Mode”
→ “Using Advanced Mode”

Using Simple Mode

The Simple Mode dialog box is much simpler than the Advanced Mode dialog box.
The only settings you have to adjust are where the document is placed and what type of document it is.



[ScanGear MP] (Simple Mode) dialog box

1 Place the document face-down on the platen glass.
Fax Model You can also place the document face-up in the ADF.

2 In [Select source], select where the document was placed.
- **[Platen Glass]**
- Fax Model **[Document Feeder]**

3 In [Type of original], select the document type.
- **[Photo]** To Scan color photos (color, 300dpi)
- **[Magazine]** To Scan color magazines (color,150dpi, with the Descreen function)
- **[Newspaper]** To Scan text and line drawings (black and white, 300dpi)
- **[Document]** To scan color image or text in monochrome. Especially appropriate, for scanning high-resolution monochrome image (grayscale, 300dpi)

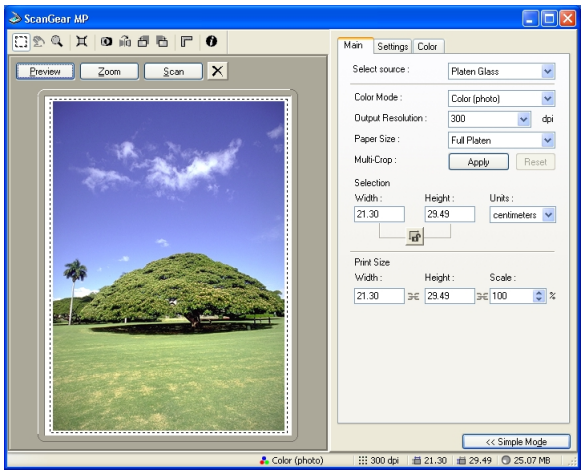
If you select [Photo], [Magazine] or [Document], there will be automatic color correction. (To turn off automatic color correction, in [Advanced Mode >>], on the [Settings] tab, click [Preferences]. On the [Settings 1] tab, clear [Always perform the auto tone].)

4 To see a preview image (provisional scan), click [Preview].
A preview of the document will be scanned and appear at the left of the dialog box.
Fax Model If you placed your document in the ADF, reload it.

5 Click [Scan].
Scanning of the document will begin.

Using Advanced Mode

In Advanced Mode, you can adjust settings such as brightness and contrast to the preview.



[ScanGear MP] (Advanced Mode) dialog box

1 Place the document face-down on the platen glass.
Fax Model You can also place the document face-up in the ADF.

2 Select settings for [Select source], [Color Mode], [Output Resolution] and [Paper Size].
→ "Advanced Mode — [Main] tab settings"

3 Click [Preview].

4 If you want to scan only part of the document, specify the parameters.
→ "Advanced Mode – Specifying the parameters of a scan"

5 If you want to print the document at a reduced or enlarged size specify the [Print Size].
→ "Advanced Mode — [Main] tab settings"

6 If necessary, rotate or flip the image, or apply settings such as [Descreen] and [Unsharp Mask].
→ "Advanced Mode Toolbar"
→ "Advanced Mode — [Settings] tab settings"

7 If necessary, in the [Color] tab, adjust the brightness and contrast.
→ "Advanced Mode — [Color] tab settings"

8 Click [Scan].
Scanning of the image will begin.

Advanced Mode Toolbar

With the Advanced Mode Toolbar, you can make adjustments to the preview image and also select a part of the image displayed.

To enlarge or reduce the preview image

1 On the Toolbar, click (Zoom button).

2 To enlarge, left-click on the image.
To reduce, right-click on the image.

To move the image

If the enlarged image is too large to fit on the screen, on the Toolbar, click (Move image button). Then drag the image across the screen until the part you want to see is displayed.
You can move the image in the same way with the scroll bars.

To invert the color in the image

On the Toolbar, click (Invert button).

To flip the image

On the Toolbar, click (Mirror button).

To rotate the image

To rotate the image 90 degrees to the left, on the Toolbar, click (Rotate Left button).
To rotate the image 90 degrees to the right, on the Toolbar, click (Rotate Right button).

To show the ruler in the preview area

To display a ruler at the upper and left edges of the preview to make accurate measurements, on the Toolbar, click (Rulers button).

To delete the preview displayed

On the Toolbar, click (Clear button). When asked to confirm, click [OK].

To detach and move the Toolbar

To detach the Toolbar from the ScanGear MP dialog box, click and hold on the edge of the Toolbar, then drag the Toolbar. (It will return to its original position if you double-click on the title of the Toolbar.)
The Toolbar will adhere to a position if you drag it to the left or right of the preview area or the bottom frame.

Advanced Mode – Specifying the parameters of a scan

You scan specify the parameters of a scan by selecting a part of the image. When you scan again, only the part of the image you have specified is scanned.
You can specify the parameters of a scan with one of the following methods.

To select the parameters of a scan automatically

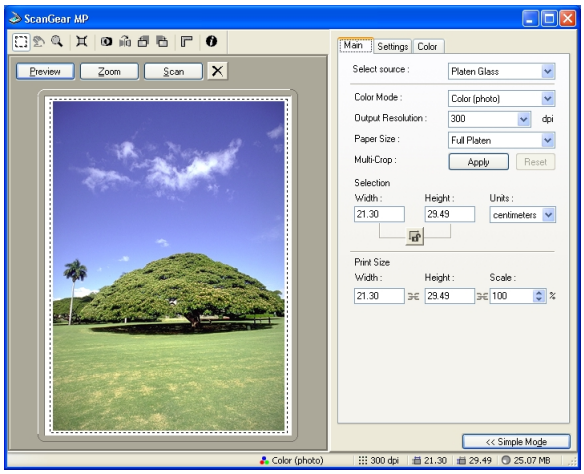
After previewing, on the Toolbar, click (Auto crop button). Every time you click this button, the parameters of the scan will gradually become smaller.

With the following operation, you can adjust the size and position of the specified area.

To specify the parameters of a scan

1. To maintain the current width and height proportions set for the image even after selecting the parameters of the scan, on the Main tab, click (keep proportions) button.
2. Do one of the following.
   - **Specify by dragging**
     Click (Crop button). Then click and drag from the upper left corner of the parameter you wish to specify to the lower right of the parameter. To adjust even further, drag the corner or border of the selected parameters.
   - **Specify size**
     In [Width] and [Height], enter the parameters you want.
3. To move the crop border you have selected, place the mouse pointer inside the crop border, then drag.
4. To preview the image, click [Preview].
   To delete the settings, click on an area outside of the crop border.

Advanced Mode — [Main] tab settings



[ScanGear MP] (Advanced Mode) dialog box

You can adjust the following settings in the [Main] tab.

[Select source]

Select where the document is placed.

- **[Platen Glass]**
- Fax Model **[Document Feeder]**

[Color Mode]

Select the type of document and the way in which it will be scanned.

- **[Black and White]**
  Select this mode when outputting photos and other items to monochrome printer. The image is displayed in black and white. The contrast in the image is divided at certain levels (threshold values) into black and white and is displayed in two colors. Threshold can be set on the [Halftone] tab.
- **[Greyscale]**
  Select this mode to scan black and white photos or monochrome images. The image is expressed in a 0–256 scale of black and white.
- **[Color (photo)]**
  Select this mode to scan color photos. The image is expressed in 256 levels (8 bit) of R(ed), G(reen) and B(lue).
- **[Color (Documents)]**
  Select this mode to scan color documents that include text or charts in addition to color photos. The image is expressed in 256 levels (8 bit) of R(ed), G(reen) and B(lue).
- **[Text Enhanced]**
  Select this mode to scan text more crisply, particularly to process it in an OCR program. The image is displayed in black and white. The document is scanned in grayscale and then converted to black and white and therefore takes longer than the [Black and White] setting.

[Output Resolution]

Select the resolution for the scan.

The higher the resolution (number), the more detail in your image; the lower the resolution (number), the less detail.

Either click or type a resolution between 25–2400 dpi (in 1 dpi increments), or enter one of the values 4800, 7200 or 9600 dpi.

→ “Determining resolution”

[Paper Size]

Select the size of the document to be scanned. When you select a size, the preview area size (height-to-width ratio) will change.

For setting up the printer not to scan beyond the parameters of the scan when previewing or if you are scanning without specifying the parameters of the scan. If you do not know the size of the document, your setting should be on the large side. You can specify the parameters after previewing. If you change the setting in [Paper size] after previewing, the preview image will be deleted.

[Multi-Crop]

Click [Apply] to crop individually two or more documents placed on the platen glass. Click [Scan] and the documents will be scanned as separate documents.

To remove the cropping (specified parameters) around an image, right-click the image, then select [Delete]. To remove all the cropping, click [Reset].

→ "[Multi-Crop] in ScanGear MP (Advanced Mode)"

[Selection]

You can specify the width and height of the parameters of the scan by entering a value. After entering the value, either click on another area or press the Enter key and the size of the cropping frame will change. Click (Keep proportions button) to change the icon to (Locked icon) and maintain the width and height proportions of the image.

Some applications have a limit to the amount of image data they can receive. If the parameters of a scan contain more than 21,000 × 30,000 pixels, the image will not scan.

The values you can enter will be within the parameters of the document size you have selected. Minimum parameters of an image with [Output Resolution] set to [600] dpi are 96 × 96 pixels.

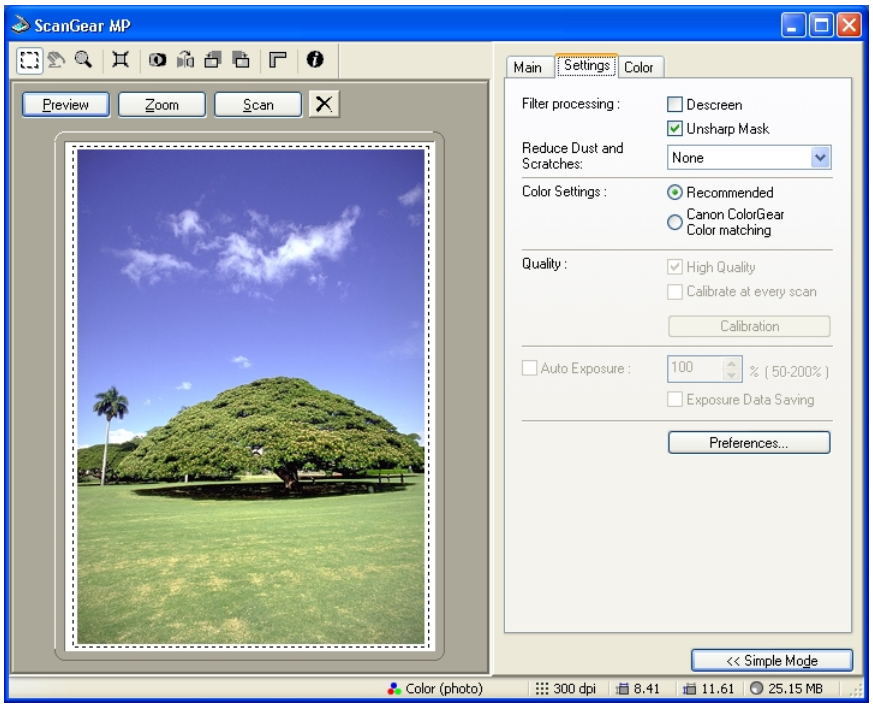
[Print Size]

For setting the print size (output size) of the scanning parameters you have specified.

Specify by entering a value in either [Width], [Height] or [Scale], or click a [Scale] value. After adjusting the settings, either click on another area or press the Enter key, and the other values linked to the input values will change. Even if you change these settings, the size of the cropping frame and the setting for [Output Resolution] will not change. The resolution when you actually scan will change in accordance with the percentage (%) entered in [Scale].

The ratio of [Width] and [Height] is linked to the [Width] and [Height] in [Selection]. You can make settings for [Scale] between 25 and 400 in increments of 1%. [Scale] is fixed to 100% if 4800, 7200 or 9600 dpi is entered in [Output Resolution].

Advanced Mode — [Settings] tab settings



[ScanGear MP] (Advanced Mode) dialog box

You can adjust the following settings on the [Settings] tab.

[Filter processing]

- **[Descreen]**
  Click [Descreen] when scanning printed photographs and pictures. This setting is not selected immediately after installation.
  Printed photographs and pictures are displayed as a collection of fine dots. If you scan without moire reduction, the dots may interfere with each other and cause an unevenness of gradation and a striped pattern in the image. Moire reduction is the function for reducing this moire effect.
  If you select [Magazine] in [Type of original] in Simple Mode, the [Descreen] of Advanced Mode will be automatically activated.
  You cannot select [Descreen] if [Black and White] or [Text Enhanced] is selected in [Color Mode] on the [Main] tab, or if [Output Resolution] is greater than [600] dpi.
  Even if [Descreen] is selected, some moire effect may remain if [Unsharp Mask] is also selected. In this case, disable [Unsharp Mask].
  More reduction cannot be set when scanning from an application which will not display the ScanGear MP dialog box. If you are scanning from the MP Toolbox without using ScanGear MP, select [Color (Magazine)] in [Scan mode] to activate moire reduction.
- **[Unsharp mask]**
  Click to emphasize and make sharper the outline of an image. This setting is selected immediately after installation. It is effective for scanning photos etc. which have a soft focus.

[Reduce Dust and Scratches]

Scanned photo may contain white dots caused by dust and scratches. This setting reduces the dust and scratches on photos. Select from [Soft], [Normal] and [Hard].

This setting is set to [None] (i.e. no reduction of dust and scratches) immediately after installation.

- **[None]**
  For no reduction of dust and scratches.
- **[Normal]**
  Normally this setting is recommended.
- **[Soft]**
  For reducing small dust and scratch marks. With this setting, large dust or scratch marks may remain.
- **[Hard]**
  For reducing large dust and scratch marks but evidence of the reduction process may remain and may also remove delicate parts of the image.

For scanning printed materials, the [None] setting is recommended.

If [Output Resolution] is set to less than [600] dpi and [Descreen] is selected, you cannot select [Reduce Dust and Scratches]. (If you set [Output Resolution] to more than [601] dpi, the [Descreen] setting will be automatically disabled and you can then set [Reduce Dust and Scratches].

This setting may not be effective for some types of photos.

[Color Settings]

Click one of the following. The default setting is [Recommended].

- **[Recommended]**
  Vividly reproduces the tone of a document on the screen. It is recommended that you normally select this setting.
- **[Canon ColorGear Color matching]**
  Select to automatically match the scanner, monitor and color printer colors, thus reducing time and trouble to manually match the monitor and printer colors.
  This setting is available when [Color (photo)] or [Color (Documents)] is selected in [Color Mode].
  If color matching is selected, the settings on the [Color] tab will not be available (the [Color] tab will disappear).

[Calibration]

You cannot adjust calibration.

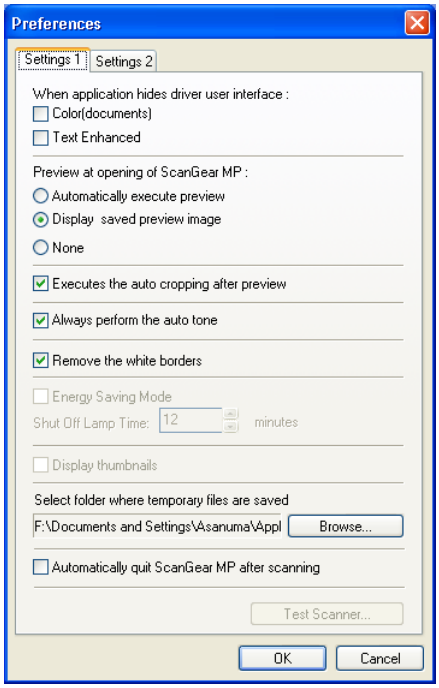
[Preferences]

Click to display the [Preferences] dialog box. You can adjust settings for scanning and previewing.

→ “Advanced Mode — [Settings 1] tab settings in the [Preferences] dialog box”
→ “Advanced Mode — [Settings 2] tab settings in the [Preferences] dialog box”

Advanced Mode — [Settings 1] tab settings in the [Preferences] dialog box

To open the [Preferences] dialog box, in the [ScanGear MP] dialog box (Advanced Mode), on the [Settings] tab, click [Preferences].



You can adjust the following settings on the [Settings 1] tab.

[When application hides driver user interface]

Color mode cannot be changed in applications (UI off mode) such as OCR software which will not display the ScanGear MP dialog box, and consequently the document will be scanned with the settings in the application. To override the application settings and scan in a specific color mode, settings here.

- **[Color (documents)]**
  The document is scanned in this mode irrespective of the settings in the application.
- **[Text Enhanced]**
  The document is scanned in this mode irrespective of the settings in the application.

These settings will be invalid in UI mode (the mode in which the ScanGear MP dialog box is displayed). Both are not selected immediately after installation.

[Preview at opening of ScanGear MP]

Select the preview operation when you open ScanGear MP.

- **[Automatically execute preview]**
  The preview scan will start automatically when you open ScanGear MP.
- **[Display saved preview image]**
  Displays the image last previewed.
  Settings on the [Color] tab, and the Flip, Left and Right Rotate, Reverse Color and Ruler buttons in the Toolbar will be reproduced.
- **[None]**
  The preview image will not appear when you open ScanGear MP.

[Display saved preview image] is selected immediately after installation.

[Execute the auto cropping after preview]

If selected, the document will automatically be cropped to match the document size. This setting is selected immediately after installation.

[Always perform the auto tone]

If selected, the image color will always be automatically corrected. The default setting is on.

[Remove the white borders]

Automatically removes the white borders of a document when scanning with multi-scan or multi-crop. The default setting is on.

[Energy Saving Mode]

You cannot adjust this setting.

[Display thumbnails]

You cannot display thumbnails.

[Select folder where temporary files are saved]

Specify the folder in which a file will be saved temporarily. Click [Browse] and specify the folder to which the file will be saved.

[Automatically quit ScanGear MP after scanning]

If selected, the ScanGear MP dialog box quits automatically after the image is scanned. This setting is not selected immediately after installation.

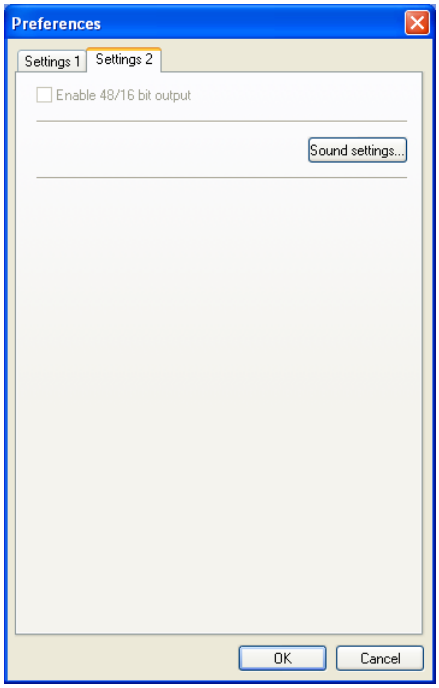
Some applications will automatically quit ScanGear after scanning irrespective of this setting.

[Test Scanner]

You cannot perform this test.

Advanced Mode — [Settings 2] tab settings in the [Preferences] dialog box

To open the [Preferences] dialog box, in the [ScanGear MP] dialog box (Advanced Mode), on the [Settings] tab, click [Preferences].



You can adjust the following settings on the [Settings 2] tab.

[Enable 48/16 bit output]

You cannot select this setting.

[Sound settings]

You can set up the scanner to play music during scanning or play a sound when scanning is completed.

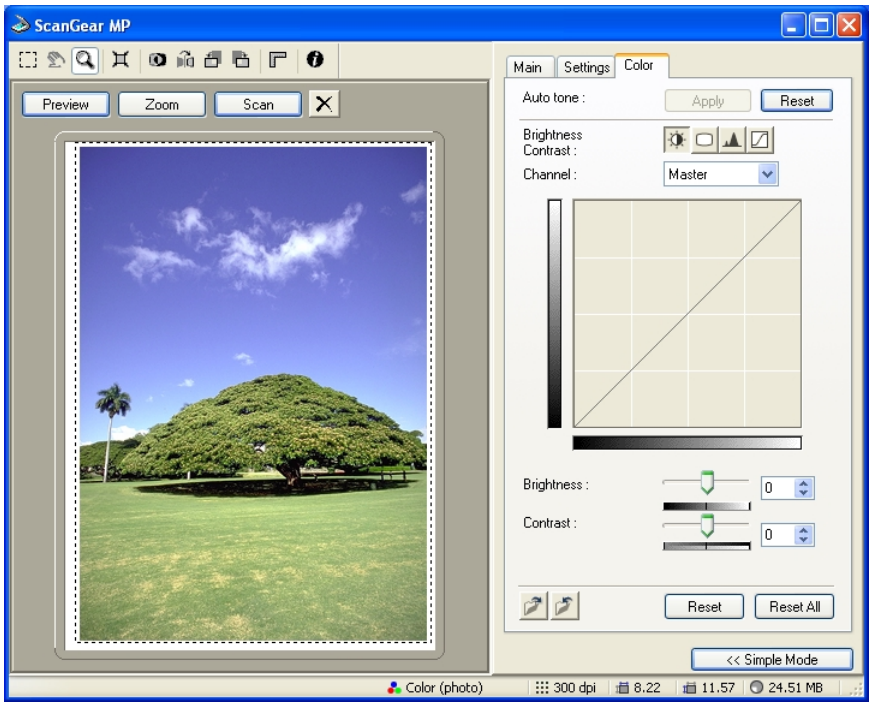
Click [Sound settings], then select [Play music during scanning] and/or [Play sound when scanning is completed]. Click [Browse], then specify a sound file.

You can specify the files below.

- MIDI files (*.mid, *.rmi, *.midi)
- Audio files (*.wav, *.aiff)
- MP3 file (mp3)

Advanced Mode — [Color] tab settings

On the [Color] tab, you can set preferences for brightness and tone of an image such as preferences for adjusting brightness and contrast of the whole image, for making adjustments to match the brightness of the monitor (gamma correction), for specifying highlights and shadows, and adjusting contrast and balance in an image (with the histogram and tone curve).
The [Color] tab will be displayed when [Color (photo)], [Color (Documents)] or [Greyscale] is selected in [Color Mode].
In [Black and White] mode, the [Color] tab will change to the [Halftone] tab but no tab will be displayed in [Text Enhanced] mode or when [Canon ColorGear Color matching] is selected.
When you adjust settings on the [Color] tab, your changes will be immediately be reflected in the preview image or in the scan.



[ScanGear MP] (Advanced Mode) dialog box

To correct tone automatically

Specify the parameters of the adjustment and click [Apply] in [Auto tone].

The brightness of the image within the parameters you have specified will be automatically adjusted for best results.
The results of color adjustment are reflected in the whole image and when the image is actually scanned.
You cannot apply this setting if the preview image is not displayed.
The default setting is to automatically apply auto tone adjustment to the cropped image when previewing the image. Consequently, when you preview the image, the [Apply] will not be available. To view the preview image without auto tone adjustment, click [Reset]. The [Apply] will then become available and you will be able to re-apply auto tone adjustment if required.

To save settings to a color adjustment file

Click (Save button).

If you intend to scan the same image several times, you can save the settings for use in future scans with the same settings. The file suffix will be (.adc) for color and (.adg) for grayscale.

To scan with the settings in the saved color adjustment file

Click (Load button).

The image will be scanned with the saved settings. The file suffix will be (.adc) for color and (.adg) for grayscale.

To revise the color adjustment settings currently on display or to return to default settings

Click [Reset].

To revise all color adjustment settings or to return to default settings

Click [Reset all].

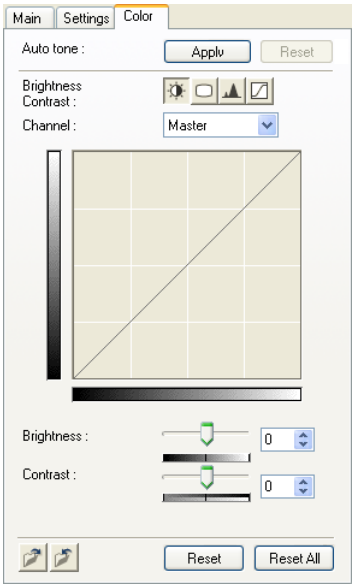
[Master], [Red], [Green], [Blue] and all settings for contrast/brightness, gamma, histogram and tone curve will be suspended and will return to default settings. Images which have undergone automatic color correction will also return to their original state.

Advanced Mode — [Color] tab — Brightness and contrast

If the original image is too dark or too bright, or if the image quality is flat due to lack of contrast, you can adjust the levels of brightness and contrast.
The gamma is active if [Color (Photo)] [Color (Documents)] or [Greyscale] is selected in [Color Mode]. You can set up the gamma without having to display a preview and the settings will be active when you scan.
In ScanGear MP Advanced Mode, follow the steps below.

1 Click [Reset].

2 On the [Color] tab, click (Brightness/contrast).



3 For a color image, in [Channel], select to only adjust either red, green or blue, or select [Master] to adjust the three colors together.

4 Move the [Brightness] slide to the left to increase the darkness of the image, and to the right to increase the brightness of the image.
Move the [Contrast] slide to the left to decrease the contrast of the image, and to the right to increase the contrast of the image. You can also enter values (–127 to 127).

Advanced Mode — [Color] tab — Gamma

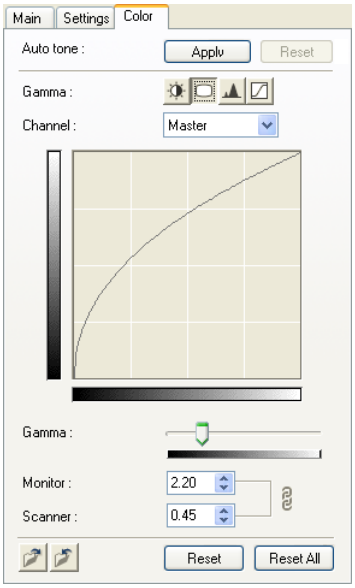
The gamma allows you to adjust the brightness of the image viewed on the computer monitor to the brightness of the orignal document.
The monitor has characteristics (gamma values) for reproducing colors. The gamma value of an average monitor is between 1.4 and 2.2, and reproduces colors in a somewhat darker way than the original document. Consequently, to correct the difference between the color in the original image and the reproduction of the color by the monitor, you may need to correct the gamma value.
The default setting for gamma is 2.2. You will have to change this value if you are using a monitor with a different gamma value. For the monitor's gamma value, refer to the documentation of your monitor, or contact the manufacturer of your monitor.
When you set the monitor's gamma value, the scanner's gamma value will automatically be displayed in the formula (reciprocal equation of the monitor gamma value) below.

1/ monitor gamma value = scanner gamma value

The gamma is active if [Color (Photo)] [Color (Documents)] or [Greyscale] is selected in [Color Mode].
You can set up the gamma without having to display a preview and the settings will be active when you scan.
In ScanGear MP Advanced Mode, follow the steps below.

1 Click [Reset].

2 On the [Color] tab, click (Gamma).



3 For a color image, in [Channel], select to only adjust either red, green or blue, or select [Master] to adjust the three colors together.

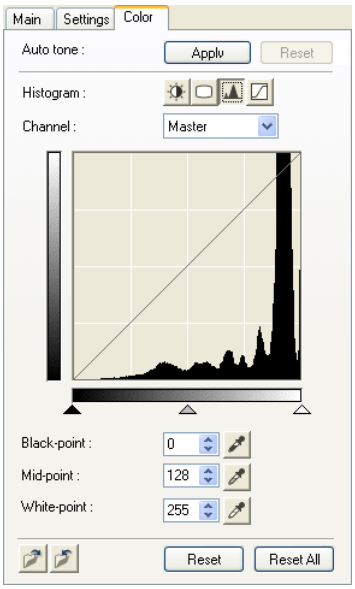
4 Move the slider to the left to decrease or the right to increase the contrast displayed in the middle of the tonal range (midtones) of the image. You can also enter values (-0.10 to 10.00).

Advanced Mode — [Color] tab — Histogram

A histogram allows you to see the data concentration at each brightness level of an image. You can specify the darkest and brightest levels within an image, cut the levels and expand the middle of the tonal range of the image.
The gamma is active if [Color (photo)], [Color (Documents)] or [Greyscale] is selected in [Color Mode].
You can set up the histogram without having to display a preview and the settings will be active when you scan.
In ScanGear MP Advanced Mode, follow the steps below.

1 Click [Reset].

2 On the [Color] tab, click (Histogram).



3 For a color image, in [Channel], select a color.

4 To change the black-point, mid-point or white-point, do one of the following.

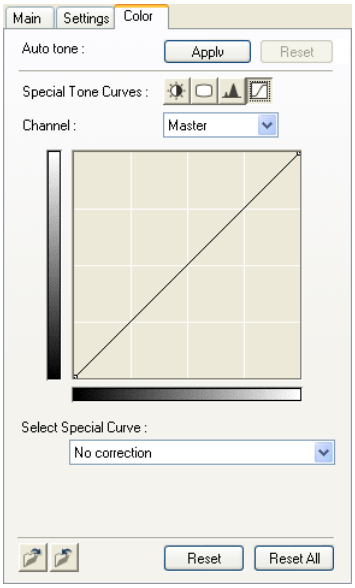
- Click the [Black-point] and select the darkest area in the preview image.
  You can also enter a value (0 to 245).
  Click the [Mid-point] and select the area in the middle of the tonal range.
  You can also enter a value (5 to 250).
  Click the [White-point] and select the lightest area.
  You can also enter a value (10 to 255).
- Drag the triangles at the bottom of the histogram to an appropriate level.
  Parts to the left of (parts darker than the value specified in [Black-point]) will all turn black.
  The parts in (parts specified in [Mid-point]) will turn a color exactly between black-point and white-point.
  Parts to the right of (parts lighter than the value specified in [White-point]) will all turn white.

Advanced Mode — [Color] tab — Tone curve

You can make subtle adjustments to the brightness of a specific area of an image by editing the shape of the tone curve, a graph showing the balance of tone input and output.
The tone curve is active if [Color (photo)], [Color (Documents)] or [Greyscale] is selected in [Color Mode].
You can set up the tone curve without having to display a preview and the settings will be active when you scan.
In ScanGear MP Advanced Mode, follow the steps below.

1 Click [Reset].

2 On the [Color] tab, click (Tone curve).

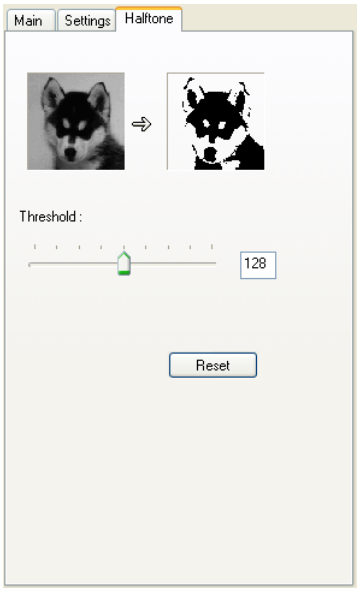


3 For a color image, in [Channel], select a color.

4 In [Select Special Curve], select the tone curve.

Advanced Mode — [Halftone] tab

If [Black and white] is selected in [Color Mode], the [Color] tab will become the [Halftone] tab. On the [Halftone] tab, you can set threshold.
You can set up the [Halftone] tab without having to display a preview and the settings will be active when you scan.



The brightness of color and grayscale images is expressed as a value between 0 and 225 but brightness of black and white images is expressed in terms of either black or white including the parts of an image which are a color between the two. The boundary at which black and white is divided is called Threshold. By adjusting the threshold, you can sharpen characters in a text document and reduce back-printing such as in newspapers.
In ScanGear MP Advanced Mode, follow the step below.

1 Drag the slider to the right to increase the threshold value and thus reduce the white areas (black areas will increase). Drag the slider to the left to decrease the threshold value and thus increase the white areas (black areas will reduce). You can also enter a value (0 to 255).

Determining resolution

The data in the image you have scanned is a collection of dots carrying information about brightness and color. The density of these dots is called “resolution”, and “dpi” (dots per inch) refers to the number of dots in one inch. Resolution will determine the amount of detail your image contains. The higher the resolution (number), the more detail in your image; the lower the resolution (number), the less detail. As a general rule, you should select a scanning resolution that corresponds to your final output device such as a monitor or printer.
You can specify a resolution in [Image quality] in the MP Toolbox settings dialog box, or in [Output Resolution] in ScanGear MP.

Images for display on a monitor

Images for display on a monitor should in general be scanned at a resolution of 75 dpi.

Images for printing

Images to be printed should be scanned at a resolution which corresponds to the resolution of the printer. For example, if you are using a 600 dpi black and white printer, you should scan your document at [600] dpi.
With a color printer, the colors are expressed as a certain percentage of ink pigment so scanning your document at half the resolution of the printer should be fine. For example, if you are using a 600 dpi color printer, you should scan your document at [300] dpi.

Printing to scale

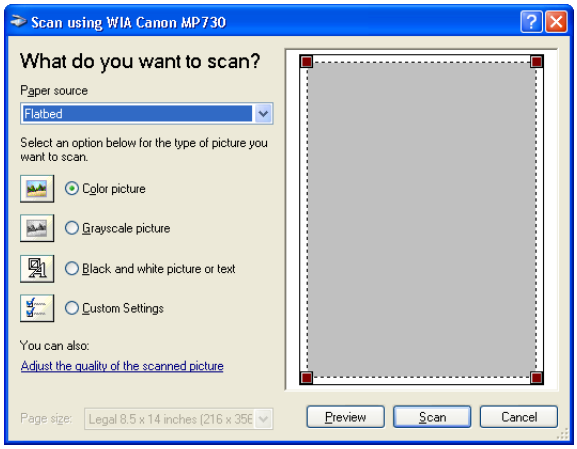
For example, if you want to print a document which is twice the size both vertically and horizontally, the resolution of your document will be reduced by half. If the resolution of the original document is 300 dpi, the resolution of the enlarged document will be 150 dpi. If you print the document with a 600 dpi color printer, the lack of detail in the image may be obvious. In such a case, if you scan at a resolution of 600 dpi, resolution will be 300 dpi even if you double the size of the document and you can print the document with sufficient quality. Conversely, if you want to print a document at a reduced size, it should be sufficient to scan at half the resolution.

Resolution and data size

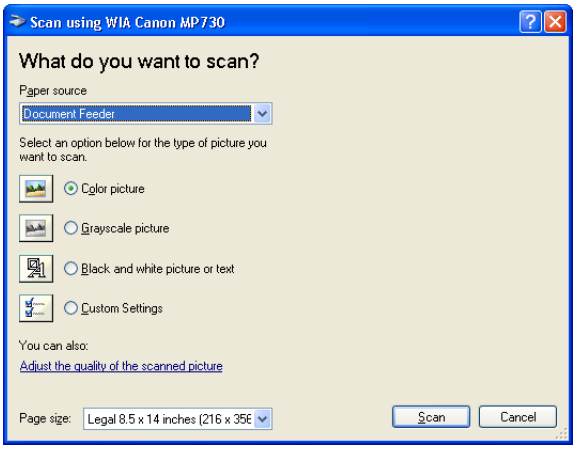
If you double the resolution, the image data will be four times greater. If the data is too large, processing speed will slow down significantly, and you may experience malfunctions such as lack of memory. Make sure the resolution corresponds to the purpose of use of the image and set at the lowest level possible.

Scanning with the WIA driver (Windows XP only)

With the WIA driver dialog box open, follow the steps below.
To display the WIA driver, → “Scanning an image from an application.”



Dialog box when [Flatbed] (platen glass) is selected


Scan using WIA Canon MP730
What do you want to scan?
Paper source
Document Feeder
Select an option below for the type of picture you want to scan.
Color picture
Grayscale picture
Black and white picture or text
Custom Settings
You can also:
Adjust the quality of the scanned picture
Page size:
Legal 8.5 x 14 inches (216 x 356
Scan
Cancel

Dialog box when [Document Feeder] (ADF) is selected

1 Fax Model In [Paper source] select either [Flatbed] (platen glass) or [Document Feeder] (ADF). Depending on how you want to scan your document, click [Color picture], [Grayscale picture] or [Black and white picture or text].
To adjust settings in detail, → “Setting preferences in the WIA driver.”

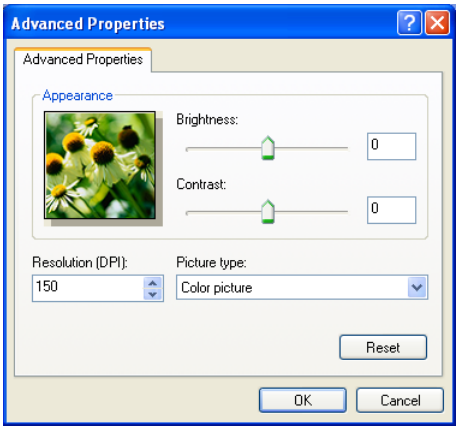
2 **If you selected [Flatbed] in [Paper source]:**
You can display a preview.
To display a preview, click [Preview]. The preview will be displayed on the right. You can drag ■ to specify the area you want scanned.
If you selected [Document Feeder] in [Paper source]:
In [Page size], select the document size.

3 Click [Scan].

Setting preferences in the WIA driver

With the WIA driver dialog box open, follow the steps below.
→ “Scanning with the WIA driver (Windows XP only)”

1 Click [Adjust the quality of the scanned picture].



2 In the [Advanced Properties] dialog box, adjust the scan settings.

- In [Picture type], select the type of scan you want for your document.
- Use the slider to adjust the brightness. Move the slider to the left to make the image darker, or to the right to make it brighter. You can also enter a value.
- For a color or grayscale image, use the slider to adjust the contrast. Move the slider to the left to decrease the contrast, or to the right to increase it. You can also enter a value.
- Enter a resolution between 50 and 600 dpi.
  → “Determining resolution”
- To revert to the original settings, click [Reset].

3 Click [OK] to activate the scan settings you specified and to close the [Advanced Properties] dialog box.
Click [Cancel] to cancel the scan settings you specified and close the [Advanced Properties] dialog box.
→ “Scanning with the WIA driver (Windows XP only)”

Return to cover

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Problems scanning

See below if you have problems scanning a document to your computer from the machine.

● Cannot scan a document.

1 Is there anything displayed in the LCD?

If nothing is displayed, see the User's Guide.

2 Is the Alarm light blinking?

If it is blinking, see the User's Guide.

3 Is the document loaded correctly?

Check that the document is loaded correctly on the platen glass or Fax Model ADF (→ User's Guide).

4 Restart the computer.

5 If using a USB hub or repeater, try connecting the USB cable directly to the computer.

If you can scan documents successfully after connecting the USB cable directly to the computer, the USB hub or repeater may be broken. Replace if necessary.

6 Are you using a USB 2.0-compatible USB hub?

If you are connecting a USB 2.0-equipeed computer and the printer using a USB 2.0-compatible USB hub, you may not be able to scan. In this case, connect the USB cable directly to the computer.

If you want to connect the printer and computer via a USB 2.0-compatible hub, follow the steps below to modify the INI file. It is recommended that before opening the file in step 1 below, you make a backup copy of the file in another folder before making any changes to it.

(1) Open the following file in Notepad or another text editor application.

Windows 98/Me:
windows\system\CNCMP50.ini
Windows 2000:
winnt\system32\CNCMP50.ini
Windows XP:
windows\system32\CNCMP50.ini

(2) Below the last line, add the following two lines, then save the file. Take care not to modify any other parts.

[Scan]
ReadSize=16

7 Fax Model Is the [Select source] setting in the MP Toolbox, ScanGear MP, or WIA driver set correctly?

Choose between loading the document on the platen glass or ADF.

8 After installing the software, did you install a TWAIN-compatible application?

If this is the case, the TWAIN system file is replaced with something inappropriate and you will be unable to scan images. If this happens, remove the software and reinstall (→ "Removing and Reinstalling the software").

9 Is the machine recognized in the [Scanners and Cameras] Window of [Control Panel]?

Follow this procedure to check if the machine icon is present in [Scanners and Cameras] of the Control Panel:

1 On the Windows desktop, click [Start], point to [Settings], then click [Control Panel]. (Windows XP: On the desktop, click [Start], then [Control Panel].)

2 Double click [Scanners and Cameras]. (Windows XP: In the [Control Panel] window, click [Printers and Other Hardware], then [Scanners and Cameras].)

3 In the [Scanners and Cameras] window, if [Canon MP730] or [Canon MP700] (Windows XP: [WIA Canon MP730] or [WIA Canon MP700]) is present, the machine is recognized. If not, remove the software and reinstall (→ "Removing and Reinstalling the software").

● You tried to create a multipage PDF, but were not able to scan several documents.

Click a button on the MP Toolbox and in the settings dialog box, select [Use the scanner driver to make advanced settings]. When ScanGear MP opens, if you scan with the [Automatically quit ScanGear MP after scanning] setting selected in [Preferences] of Advanced Mode, only the documents placed at one time on the platen glass will be scanned. If you want to scan additional documents, clear the [Automatically quit ScanGear MP after scanning] setting before scanning.

● Computer has hung up or frozen.

1 Quit other open applications and try again.

Memory may be insufficient. Quit other open applications and try again.

2 Does the hard disk have enough available space?

Check that the hard disk has enough available space, in particular when scanning large documents at a high resolution. For example, a letter-size document scanned at 600 dpi, full color requires a minimum of 300 MB of space.

*If you do not have enough available space, scan the document at a lower resolution.

3 If an error occurs when scanning an image in Photoshop

Change the allocated memory. On the Edit menu, point to [References], then click [Memory & Image Cache]. Change the Physical Memory Usage to between approximately 10% and 20%.

4 Remove the software and reinstall (→ "Removing and Reinstalling the software").

● You installed the applications on the MP730/700 Setup CD-ROM but they were not registered in the MP Toolbox.

If you install the applications with the MP Toolbox open, the applications will not be registered in the MP Toolbox. Click [Defaults] to register them (→ "Scanning with the MP Toolbox").

● When you click a button on the MP Toolbox, another application opens.

When you click a button on the MP Toolbox, you want another application to open.

Click a button on the MP Toolbox and select the application you want to open for that button. Repeat for the other buttons (→ "MP Toolbox settings").

● You opened the [Preferences] dialog box from the [Scanners and Cameras] icon and changed the settings, but the settings were not activated (Windows 2000).

In Windows 2000, if you open [Scanners and Cameras] in [Control Panel] and change the settings in [Events], the settings will not be activated unless you restart your computer. Once you have changed your settings, restart your computer.

Fax Model You canceled a scan before completion and the document became jammed in the ADF.

Press [Resume] to eject the document from the ADF.

The image you have scanned looks dirty.

1 If the image looks grainy, increase the scan resolution (→ "Determining resolution").

2 Display the image at 100%.

Some applications do not display an image well at small sizes. Try displaying the image at 100% magnification.

3 There is moire when you scan printed material.

In ScanGear MP, click [Descreen] (→ "MP Toolbox settings").

4 Set the monitor display colors to 16-bit or higher.

In [Display Properties], set the display colors to 16-bit color, 24-bit color or higher.

5 Clean the platen glass and document cover (→ User's Guide).

White margins appear around the scanned image.

Specify the scan area.

In ScanGear MP, click [Multi-Scan] to automatically specify the scan area.
If there are white margins around documents such as photographs, or if you want to trim a document (i.e. you want to scan only one part of a document), specify the area of the scan manually (→ "Advanced Mode – Specifying the parameters of a scan").
To display ScanGear MP when scanning, click a button on the MP Toolbox and select [Use the scanner driver to make advanced settings]. Clear this setting if you do not want ScanGear MP to display (→ "MP Toolbox settings").

White lines appear on the left side of the image.

Place the document approximately **⅛ inch** (3 mm) from the edge of the platen glass.

Cannot scan correctly with multi-scan

1 Does the position of the photographs and the way they are positioned fulfil the following requirements?

- There should be a gap of at least ⅜ inch (1 cm) between the edge of the platen glass and photographs.
- There should be a gap of at least ⅜ inch (1 cm) between the edges of the photographs.
- There should be no more than ten photographs.
- The photographs should be straight (any tilting should be kept within 10 degrees).

2 Some applications do not accept multiple scans of more than two images.

Check the application's documentation or contact the application's manufacturer.

3 Clean the platen glass and document cover (→ User's Guide).

4 When scanning from the platen glass, thick or curled photographs may not be scanned properly.

Press lightly on the document cover when scanning.

5 Is the document smaller than $\frac{9}{64}$ inch^2 (1 cm^2)?

You cannot use multi-scan for documents smaller than ⅜ inch × ⅜ inch (1 cm × 1 cm). Scan each document separately.

6 Is the ratio of the long and short sides of the document greater than 1:4?

You cannot use multi-scan if the long side of the document is 4 or more times longer than the short side. Scan each document separately.

● Scanned image is displayed at a large (small) size on the computer screen.

1 Enlarge or reduce the image display in the application.

However, if you open the image in Paint or Imaging, it may display at a large size and you will not be able to reduce it.

2 Change the resolution and scan again.

The image will be large if resolution is high. It will be small if resolution is low (→ “Determining resolution”).

Glossary (Scanning)

C

Canon ColorGear color matching

Color management system for high-speed, high-precision color processing using Canon's own color management technology. Canon ColorGear is compatible with the industry-standard format "ICC Profiles" and enables high-precision color management using the properties of color devices specified in color profiles. The system is used in many Canon products.

crop

Operation for selecting parts of an image within a rectangle. You can use the crop button in the ScanGear MP Toolbox to select a part of a preview image, preview again the part you have selected and scan.

D

dpi (dots per inch)

Number of dots per inch. Unit for measuring resolution of a monitor or printer.

G

gamma correction

Method for changing the brightness of an image. With gamma correction, the brightness of parts of an image in the middle of the tonal range is changed without changing the lightest or darkest areas of the image, which means you can change the brightness of an image while maintaining contrast.

grayscale

A method of presenting a black-and-white image using medium tones.

M

multi-page PDF

Several scanned documents saved as one PDF. Each document will become one page of the PDF.

O

OCR (Optical Character Reader)

Device for reading characters optically. System for extracting information in a text format from information in the form of a graphic such as hand-written or printed characters which have been scanned with a scanner. You cannot edit text scanned with a scanner because it is in a graphic format, but with OCR software you can convert to a text file and then edit the text with word-processing software.

P

PDF (Portable Document Format)

Document format of Adobe Systems. Using the Acrobat Reader viewing software, the document always appears in the same way regardless of the viewer's computer environment.

The MP Toolbox can save a scanned document as a PDF document. The characters in a document are recognized as text information and held in the PDF file so that you can search a PDF with simple keywords.

preview

Provisional scanning and display of the document you are about to scan before you actually scan it. If the preview scan looks different from what you want, you can change the settings, display the preview again and confirm before scanning.

S

scanner driver

Software for controlling the scanner. The printer is provided with two drivers: The ScanGear MP and the WIA driver (for use with Windows XP).

T

TWAIN (Technology without an interested name)

Industry-standard protocol for transferring information from devices such as scanners and digital cameras to a computer.

Industry-standard protocol for an application programming interface (API) for input devices such as scanners. If both the device and the application comply with the standard, they will be compatible regardless of differences in manufacturer or model. For example, with TWAIN-compatible image-processing software, you can start the scanner's TWAIN driver (ScanGear MP) from the software's menu, scan the document and return the scanned image to its original image-processing software.

W

WIA (Windows Image Acquisition)

Standard for downloading images from scanners or digital cameras. The printer includes a TWAIN-compliant driver (ScanGear MP) and a WIA-compliant driver. The WIA-driver can only be used with Windows XP. With either driver, you can scan documents with the printer in applications which support the TWAIN interface (Photoshop etc.).

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